

AMENDMENTS TO THE CLAIMS

Claim 1 (Cancelled).

2. (Previously presented) The device as defined in claim 28, wherein the at least one light emitting diode comprises R, G and B light emitting diodes.

3. (Previously presented) The device as defined in claim 2, further comprising:
a color temperature setting device that manually sets a color temperature of the light emitted from the electronic flash,
wherein the light emission control device controls ratios between light emission amounts of the R, G and B light emitting diodes so that a color temperature of the light emitted from the electronic flash becomes the color temperature set by the color temperature setting device.

4. (Previously presented) The device as defined in claim 2, further comprising:
a color temperature determining device that determines a color temperature of subject light,
wherein the light emission control device controls ratios between light emission amounts of the R, G and B light emitting diodes so that a color temperature of the light emitted from the electronic flash becomes the color temperature determined by the color temperature determining device.

5. (Previously presented) The device as defined in claim 28, wherein
the power supply device comprises a capacitor with a large capacity that is charged by a battery, and
the light emission control device supplies the electric energy from the capacitor to the at least one light emitting diode.

6 . (Previously presented) The device as defined in claim 28, further comprising:
a temperature sensor that determines a peripheral temperature of the at least one light emitting diode,
wherein the light emission control device controls the electric energy to obtain a desired light emission amount according to the peripheral temperature determined by the temperature sensor.

Claims 7-9 (Cancelled).

10. (Previously presented) The device as defined in claim 4, wherein the color temperature determining device has determining devices that convert color components of the subject light into electric signals and determines the color temperature of the subject light according to a ratio between determination signals of the determining devices.

11. (Previously presented) The device as defined in claim 4, wherein the color temperature determining device determines the color temperature of the subject light according to color image signals of a subject image captured by an imaging device of the camera.

Claims 12-14 (Cancelled).

15. (Previously presented) The device as defined in claim 28, further comprising:
an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash; and
a temperature sensor that determines a peripheral temperature of the at least one light emitting diode,
wherein the adjusting device controls an energy provided to the electronic flash to obtain a desired light emission amount according to the peripheral temperature determined by the temperature sensor.

Claims 16-18 (Cancelled).

19. (Previously presented) The device as defined in claim 3 or 4 further comprising an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash, the adjusting device including:

a light adjusting sensor that determines one of an amount of reflected light from a subject emitted from one of the R, G and B light emitting diodes of which light emitting amount is smallest among the R, G and B light emitting diodes and an amount of reflected light from the subject emitted from the R, G and B light emitting diodes;

a first light emission controlling device that stops light emission of the one of the R, G and B light emitting diodes when the one of the amounts determined by the light adjusting sensor reaches a predetermined reference value according to the ratios between the light emitting amounts from the R, G and B light emitting diodes;

a measuring device that measures a light emitting time of the one of the R, G and B light emitting diodes;

a calculating device that calculates light emitting times of others of the R, G and B light emitting diodes according to the light emitting time measured by the measuring device and the ratios between the light emitting amounts from the R, G and B light emitting diodes; and

a second light emission controlling device that stops light emission of the others of the R, G and B light emitting diodes according to the light emitting times calculated by the calculating device.

20. (Currently amended) The device as defined in claim 3 further comprising an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash, the adjusting device including:

a device that turns on and off the R, G and B light emitting diodes with duty ratios corresponding to the ratios between the light emitting amounts from the R, G and B light emitting diodes;

a light adjusting sensor that determines an amount of reflected light from a subject emitted from the R, G and B light emitting ~~devices~~diodes; and

a light emission controlling device that stops light emission of the R, G and B light emitting diodes when the amount determined by the light adjusting sensor reaches a predetermined reference value.

21. (Previously presented) The device as defined in claim 3 further comprising an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash, the adjusting device including:

a device that turns on and off R, G and B light emitting diodes of numbers according to the ratios between the light emitting amounts from the R, G and B light emitting diodes;

a light adjusting sensor that determines an amount of reflected light from a subject emitted from the R, G and B light emitting diodes; and

a light emission controlling device that stops light emission of the R, G and B light emitting diodes when the amount determined by the light adjusting sensor reaches a predetermined reference value.

Claims 22-27 (Cancelled).

28. (Previously presented) A device comprising:

a tubeless electronic flash mountable on or in a portable camera and comprising at least one light emitting diode;

a power supply device; and

a light emission control device connected to the power supply device and the tubeless electronic flash for supplying electric charge to the at least one light emitting diode for causing the tubeless electronic flash to illuminate an object to be photographed in synchronism with a shutter.

29. (Previously presented) The device as defined in claim 28, wherein:

the power supply device comprises a booster device which boosts output voltage of a battery and a capacitor with large capacity that is charged by the voltage boosted by the booster device, and

the light emission control device supplies the electric energy from the capacitor to the light emitting diodes.

30. (Currently amended) The device as defined in claim 4 further comprising an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash, the adjusting device including:

a device that turns on and off the R, G and B light emitting diodes with duty ratios corresponding to the ratios between the light emitting amounts from the R, G and B light emitting diodes;

a light adjusting sensor that determines an amount of reflected light from a subject emitted from the R, G and B light emitting ~~devices~~ diodes; and

a light emission controlling device that stops light emission of the R, G and B light emitting diodes when the amount determined by the light adjusting sensor reaches a predetermined reference value.

31. (Previously presented) The device as defined in claim 4 further comprising an adjusting device that adjusts a color temperature of the electronic flash light emitted from the electronic flash, the adjusting device including:

a device that turns on and off R, G and B light emitting diodes of numbers according to the ratios between the light emitting amounts from the R, G and B light emitting diodes;

a light adjusting sensor that determines an amount of reflected light from a subject emitted from the R, G and B light emitting diodes; and

a light emission controlling device that stops light emission of the R, G and B light emitting diodes when the amount determined by the light adjusting sensor reaches a predetermined reference value.